



Education News

Volume 8, Issue 1

John C. Stennis Space Center

Jan. - April 2004

EDUCATION NOTES

Pre-K - 12

Don't delay – sign up for free professional development workshops today!

Sign up for workshops now to be eligible for special NASA activity days at Stennis.

The next edition of the Education News will be online at <http://education.ssc.nasa.gov>.

Higher Education

Students, deadlines are coming up soon for summer programs. Don't miss a wonderful opportunity to work for NASA.

Keep checking the Education News for information about NASA's Scholarship for Service.

Find out about Higher Ed programs on our Web site at <http://education.ssc.nasa.gov>.

Educators - this could be you!

Sign up today for free professional development workshops at the Stennis Space Center Educator Resource Center and learn how to incorporate NASA research and resources into your curriculum.

From learning about our environment to utilizing technology, the workshops will enhance your classroom and take you and your students on a journey that is out of this world!

All workshops are free and offer continuing education units.



Sign up today!

Where is my Education News??????????

Educators, the Education News is dedicated to providing you with helpful information about NASA educational activities and resources to use in your classroom.

To serve you better, our next edition of the Education News will be on our Web site. You will not receive a printed copy of the next

newsletter, so to continue receiving information about all of our exciting educational activities, visit our Web site and click on the Education News link. The NASA Education News can be found online at <http://education.ssc.nasa.gov>.

We look forward to your feedback. See you in cyber space!

Visit our Web site at <http://education.ssc.nasa.gov>



Education News

2

What's new in . . .

NASA's Educator Resource Center

To obtain these valuable NASA resources, contact the ERC at 1-800-237-1821 (option 2), (228) 688-3338 or by e-mail at sherrill.reynolds@ssc.nasa.gov.

New Publications

- *NASA CORE (Central Operation of Resources for Educators)* brochure – CORE is the distribution center for NASA multimedia materials. A world of useful classroom tools are found in the CORE brochure. Visit <http://core.nasa.gov> for more information.
- Get students excited about the Centennial of Flight with the *Adventures in Aeronautics* storybook. This booklet set is designed for students in grades 3-5 and can be found online at <http://avst.larc.nasa.gov/education.html>.

DVDs, Videos and CDs

- *The QuickSCAT Story* video and resource guide is designed for students in grades 6-12. Learn about the oceans, the weather and the Earth's atmosphere in this interactive CD-ROM.
- *The Out of Control* DVD for students in grades 6-9 teaches the principals of flight and how engineers use these principals.
- *The Unlocking the Mysteries: NASA's Discovery Program* video engages students in grades 5-12 to learn about the solar system.

Deadlines - don't miss these opportunities

K-12 Deadlines

NASA Student Involvement Program Competition

Deadlines are Jan. 15 for entries to the Space Flight Opportunities category, and Jan. 31 for entries in the My Planet, Earth; Science and Technology Journalism; Aerospace Technology Engineering Challenge; Design a Mission to Mars; and Watching Earth Change categories. Visit <http://www.nsip.net> for more information.

NASA Explorer Schools

Wouldn't you love to see your students excited about math and science in ways they never have been before? Apply to be a NASA Explorer School and receive grant money and NASA support and materials to make your school out of this world! Help inspire the next generation of explorers as only NASA can! To learn more about becoming a NASA Explorer School, visit <http://explorerschools.nasa.gov>. Deadline for applications is Jan. 30.

NASA SHARP

High school students – don't spend another summer in a boring job. Imagine working for NASA instead. The NASA Summer High School Apprenticeship and Research Program (SHARP) allows you to work side by side with NASA scientists and researchers. Applications for SHARP are due Feb. 9 and are available online at <http://www.nasasharp.com>.

Higher Ed Deadlines

Students and professors, there is still time to apply for summer research opportunities with NASA.

Women in Science & Engineering Scholars Program (WISE)

<http://www.spelman.edu/wisel/>.

Ronald McNair Scholars/Project Strategic Preparedness in Advancing Careers in Engineering (SPACE)

<http://www.morehouse.edu/NASA/home.htm>.

Increase Minority Access to Graduate Engineering (IMAGE)

<http://www.famu.edu/acad/colleges/gds/gradfeeder.html>.

National Action Council for Minority Engineers' Undergraduate Student Award for Research (NACME/USAR)

<http://nacme.org>.

Achieving Competency in Careers in Engineering and Space Science (ACCESS)

<http://ehrweb.aaas.org/entrypoint/apply.html>.

Graduate Student Researchers Program (GSRP)

<http://www.education.ssc.nasa.gov>.

NASA Faculty Fellowship Program

<http://www.asee.org/NFFP>.

NASA Undergraduate Student Research Program (USRP)

<http://www.vsgc.odu.edu>.

Visit our Web site at...

<http://education.ssc.nasa.gov>

...to inspire the next generation of explorers

3

Spring is full of exciting educational activities at Stennis - don't miss out!

Every season at Stennis is packed with exciting opportunities for educators and students. This spring, a number of activities to enhance your classroom instruction will take place at StenniSphere. Don't miss these opportunities to inspire your students – as only NASA can.



JASON XV:

Rainforests at the Crossroads live expedition broadcasts at StenniSphere

Register for these live broadcasts that take you deep into the rainforest to explore the Isthmus of Panama region. Broadcast dates are Jan. 27, 28 and 29, and Feb. 3, 4 and 5.

To register your students, call StenniSphere at 1-800-237-1821. Visit <http://www.jasonproject.org> to learn more about the JASON project.

NASA Rocket Rulz...Real Science! Real Loud!

On May 12, students will feel the ground shake, rattle and roar at Stennis Space Center. NASA Rocket Rulz...Real Science! Real Loud! helps students understand how NASA uses Newton's Laws of Motion in rocket propulsion testing. This is a great opportunity for students to see how things they learn in the classroom apply to practical situations. However, educators, you must sign up for and attend one of the following free professional development workshops for your class to be eligible for the field trip.

Noodling with Newton

April 1, 2004 (8:30-3:00)

Grades 5-8

Propulsion Basics-It's Just Rocket Science!

April 22, 2004 (8:30-3:00)

Grades 5-8

Propulsion Basics-It's Just Rocket Science! Distance Education Event

April 27-28, 2004 (3:30-6:30)

Grades 5-8



Mark your calendars for a day at StenniSphere on March 31! Sun-Earth Day helps students understand the Earth's connection to the Sun. This year, Sun-Earth Day celebrates a phenomenon that last occurred in 1882 – the silhouette of Venus crossing the face of the Sun! For your students to take part in this day of hands-on activities, you must attend one of the above professional development workshops.

Sun-Earth Day

Astronomy 101

Feb. 9, 2004 (1:00-7:00)
Grades 3-7

Venus Transit

Feb. 10, 2004 (8:30-3:00)
Grades 4-6

Venus Transit Distance Education Event

Feb. 11-12, 2004 (3:30-6:30)
Grades 4-6



Jan. - April 2004

John C. Stennis Space Center

4

Mars Rovers touch down in January 2004

In January, humans on Earth will begin to understand Mars like never before. NASA's Mars Exploration Rovers, Spirit and Opportunity, are scheduled to touch down on the Red Planet to begin months of scientific discovery.

Educators, this is a great way to engage your students in activities involving robotics and space science. NASA Spacelink offers materials about Mars and exploration for students and teachers at http://spacelink.nasa.gov/Extra/Mars_Extra.

Free lesson plans offered by NASAexplores

NASAexplores provides educators with free educational resources and lesson plans weekly.

Lesson plans and other materials are focused on current NASA research and activities. Materials offered by NASAexplores may be downloaded or printed, and they meet national education standards.

NASAexplores is a great way to enhance your curriculum. Visit <http://www.nasaexplores.com/subscribe.php> for more information about signing up for NASAexplores e-mail updates.

Learn about NASA's Corporate Recruitment Initiative

Industry demand for skilled workers in the fields of science, math, engineering and technology are growing while the pool of qualified candidates is shrinking. To address these concerns, NASA is implementing a program to create a diverse and qualified workforce for careers in scientific and technical fields.

To learn more about NASA's Corporate Recruitment Initiative and how to work for NASA, visit <http://www.nasajobs.nasa.gov>.

Education News is published by the NASA John C. Stennis Space Center Office of External Affairs, Education Office. Rear Adm. Thomas Q. Donaldson V is the center director; Dr. Dewey Herring is manager of the NASA Office of External Affairs, Education Office.

Comments and suggestions should be forwarded to Building 1100, Room 209, Stennis Space Center, MS 39529 or call (228) 688-2313 or (228) 688-2091.

EDITOR
April Lollar

CONTRIBUTING WRITER
Glen Vanderbeek

CONTRIBUTING
PHOTOGRAPHER
Mike Badon

GRAPHIC DESIGNER
Margie Monde

Visit the Stennis Space Center
Education Office Web site at:
<http://education.ssc.nasa.gov>.



National Aeronautics and
Space Administration

John C. Stennis Space Center
Stennis Space Center, MS 39529
Bldg. 1100, Room 209
Official Business
Penalty for Private Use \$300

Attention: Please Route Among All Educators